

# Why the Retail Environment Matters (and how to learn more about it)

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## **About Counter Tools**

- Client-services & education 501(c)(3)
- Launched June 28, 2012
- Team of 17
- Startup of UNC Chapel Hill
- Based in Carrboro, NC
- Funded by contracts and grants
- CounterTobacco.org













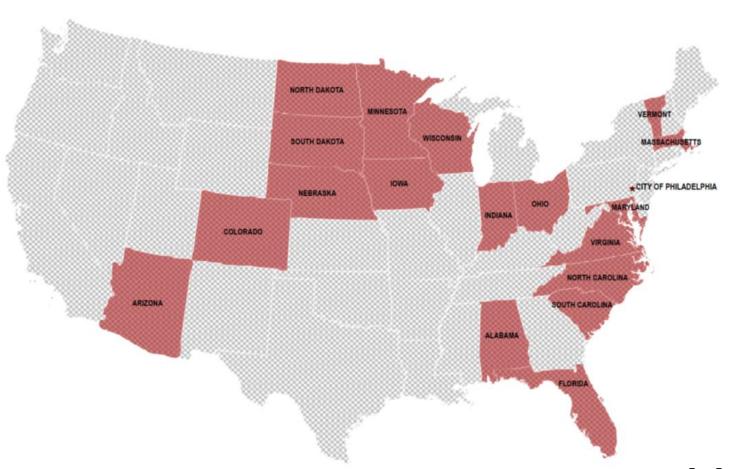
Our mission is to promote public health equity by providing technology tools, training, and technical assistance to our local, state and national partners who are enacting, enforcing and evaluating evidencebased policy, systems and environmental interventions to advance place based public health.





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## Where We Work



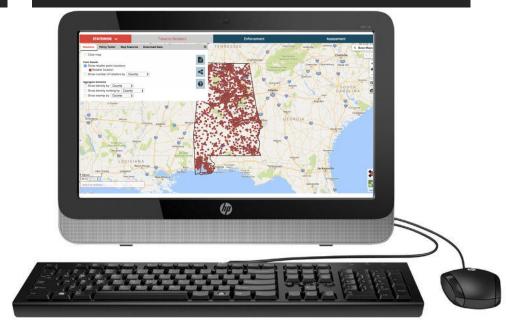


## **Local Data for Social Change**

### Store Audit Center®



### **Store Mapper<sup>©</sup>**



#### **Captures Retailer Content**

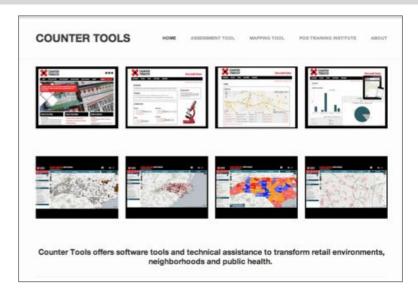
(e.g. do retailers sell flavored products? What is the cost of Blu e-cigs in my area)

#### **Captures the Retailer Landscape**

(e.g. What is the retailer density in my county?)

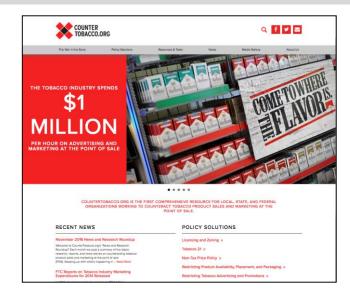


# Complement to Free CounterTobacco.org Resources



### www.CounterTools.org

- Established June, 2012
- Provides enhanced software tools and technical assistance for surveillance, evaluation, policy/systems/environmental change
- Nonprofit organization
- Funded by contracts/training fees



### www.CounterTobacco.org

- Established August, 2011
- <u>Free</u> information and resource warehouse for POS tobacco control
- A project of Counter Tools, funded by CDC OSH and ChangeLab Solutions



## In this session

1. Why does the retail environment matter for health?

2. What are retailer assessments and why should we do them?

3. The Standardized Tobacco Assessment for Retail Settings (STARS)



## Why does the retail environment matter for health?



# Let's define the "retail environment" or "point of sale"





## 4 Reasons Why POS Matters



use initiation





## 1. Industry Marketing Spending

4 Reasons Point of Sale Matters



## The 4 P's of Marketing



1. Product

2. Placement

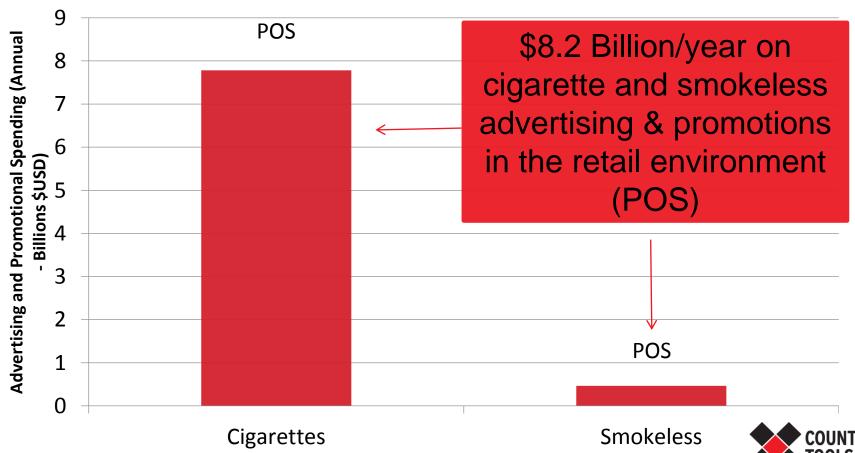
3. Price

4. Promotion



# Retail is the tobacco industry's lead marketing channel

Tobacco Industry Spending in the Retail Environment



## Spending breakdown

Price discounts and promotional allowances (paid to retailers)

\$6.1 Billion/YR



POS Advertisements
(Signs, functional items, displays, shelving units)
\$271.1 Million/YR



Coupons

\$562 Million/YR



Federal Trade Commission Cigarette and SmokelessReports for 2014

# The retail store is where tobacco enters your community!





### 2. Youth Tobacco Use Initiation

4 Reasons Point of Sale Matters



## Kids are frequent c-store shoppers

- 2011-12 nationally representative sample of 13-16 year olds: Almost half (48%) visit at least once a week<sup>1</sup>
- C-stores have more tobacco marketing materials than other store types<sup>2-5</sup>







## **Exterior Advertising**





# Exposure to in-store marketing linked to tobacco use initiation



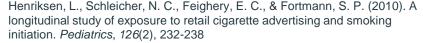
Children and adolescents more frequently exposed to POS tobacco promotion have ~1.6 times higher odds of having tried smoking and ~1.3 times higher odds of being susceptible to future smoking compared to those less frequently exposed.



## A Longitudinal Study of Exposure to Retail Cigarette Advertising and Smoking Initiation



- First study to longitudinally assess relationship between exposure to tobacco advertising and smoking behavior
- 29% smoking initiation among those who visited retail stores at least twice a week vs. 9% smoking initiation among those who visited retail stores less than twice per month
- Exposure to tobacco advertising leads to initiation





## Youth Exposure to Advertising and E-Cigarette Use

Greater exposure to e-cigarette ads is associated with higher odds of youth e-cigarette use. Most e-cigarettes contain NICOTINE, which can cause ADDICTION, may harm brain development, and could lead to continued tobacco product use among youth.

Efforts to reduce youth exposure to tobacco advertising are crucial to prevent all forms of tobacco use among youth.

pril 2016

### **Sources of E-Cigarette Advertising**



14.4 million

youth are exposed at retail stores



10.5 million

youth are exposed through the internet



9.6 million

youth are exposed through TV/movies



8 million

youth are exposed through magazines and newspapers



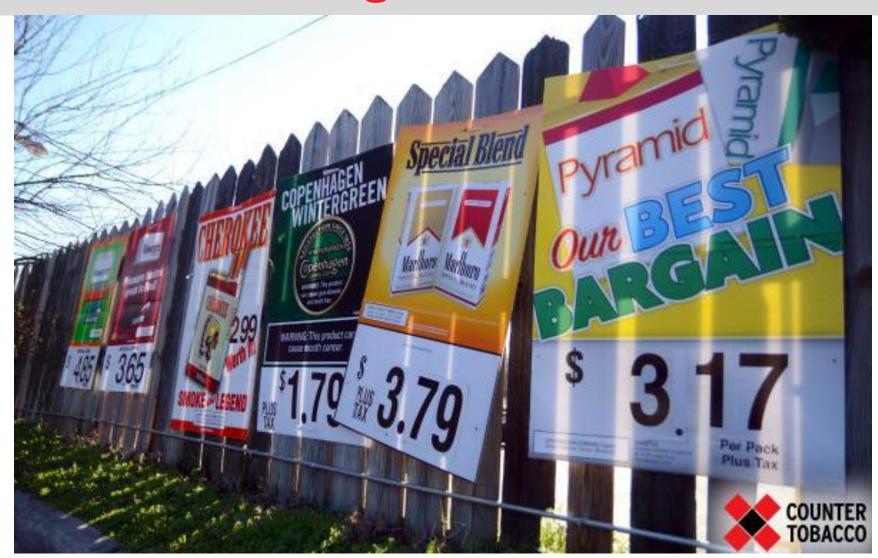


## 3. Quit Attempts More Difficult

4 Reasons Point of Sale Matters



# Imagine trying to quit while driving in this neighborhood...



# Exposure to retail marketing associated with impulse purchase







Slater, et al., 2007



## 4. Proximity and Density Double Whammy!

4 Reasons Point of Sale Matters



## **Proximity and Density:**

### Proximity

- A measure of the distance to nearest tobacco retailers in an area;
- Measured in feet, miles or km; radial or network buffers

### **Density**

- A measure of the concentration or clustering of tobacco retailers in an area;
- Measured as number per 1,000 population, e.g., 1.2 retailers per 1,000 people



# Close proximity associated with less long term quit success





# Higher density associated with initiation among US young adults

- 2013 nationally representative sample of young adults aged 18-34, merged with 2012 US tobacco retailer list and home addresses
- Higher retailer density associated with higher likelihood of *initiating* cigarette use among 25-34 year olds (OR=3.75, 95% CI 1.18, 11.90)
- Higher retailer density associated with higher likelihood of *initiating* non-cigarette combustible use among 18-24 year olds (OR=3.16, 95% CI 1.03, 9.74)



# Higher density + proximity associated with higher school smoking prevalence



Photo credit: www.ccpcs.org

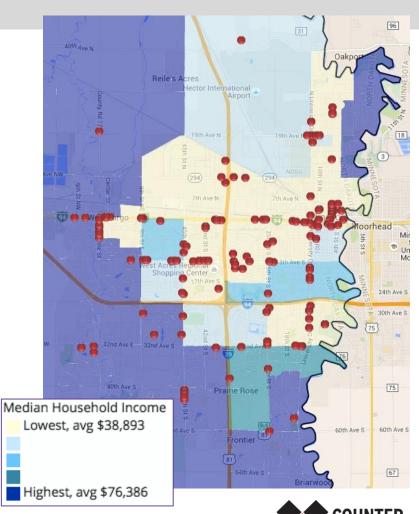
 California, 2008: Schools with higher numbers of tobacco retailers within walking distance have higher school smoking prevalence<sup>2</sup>



## Retailers cluster in disadvantaged areas

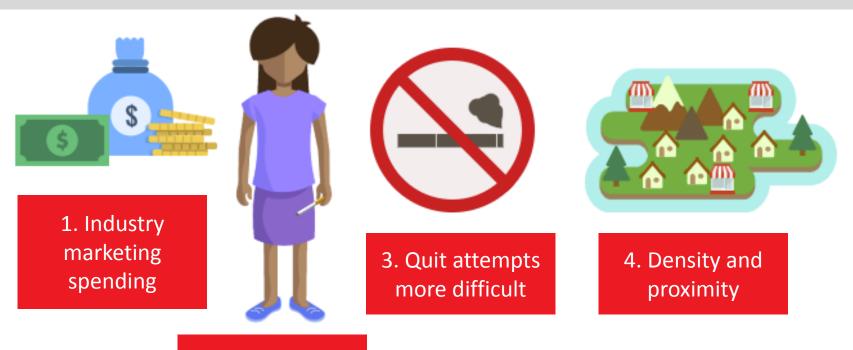
### Higher retailer density in

- communities with lower median household income<sup>1-3</sup>
- communities with higher percentage of African American<sup>1,2</sup> or Latino families<sup>1</sup>



1. Schneider JE et al. Prev Sci, 2005. 2. Hyland, A, et al., AJPH, 2003 3. Loomis, BR, et al, Public Health, 2013

# Review: 4 Reasons POS Matters



2. Youth tobacco use initiation





What are retailer assessments and why should we do them?



### **Retailer Assessments**

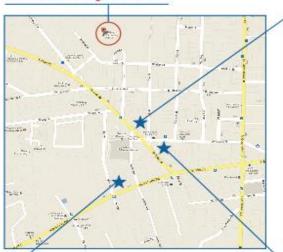


- ✓ Store type
- ✓ Exterior ads
- ✓ Availability of:
  - ✓ All tobacco products
  - ✓ Alcohol
  - ✓ Flavored products
  - ✓ Singles
- ✓ Pharmacy counter?
- ✓ Price of cheapest cigarette pack
- ✓ WIC/SNAP
- ✓ Advertised <\$1</p>
- ✓ Price promotions



## **Collect High Quality Local Data**

#### **Elementary School**



**BP Gas Station** 



Exxon Gas Station



Citgo Gas Station





## **Engage Youth & Community Members**

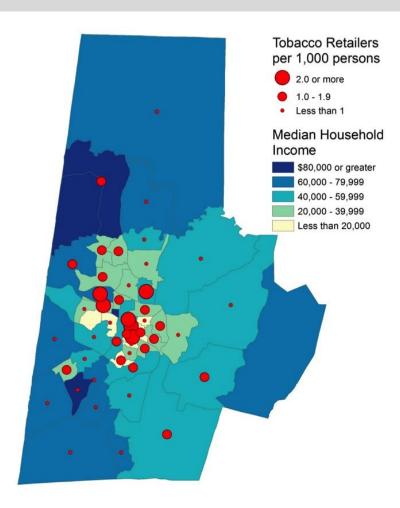






# **Identify Disparities**







## **Document Industry Targeting**









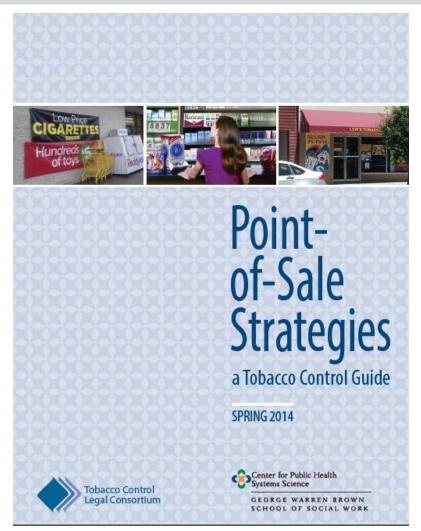
## placement





price promotions

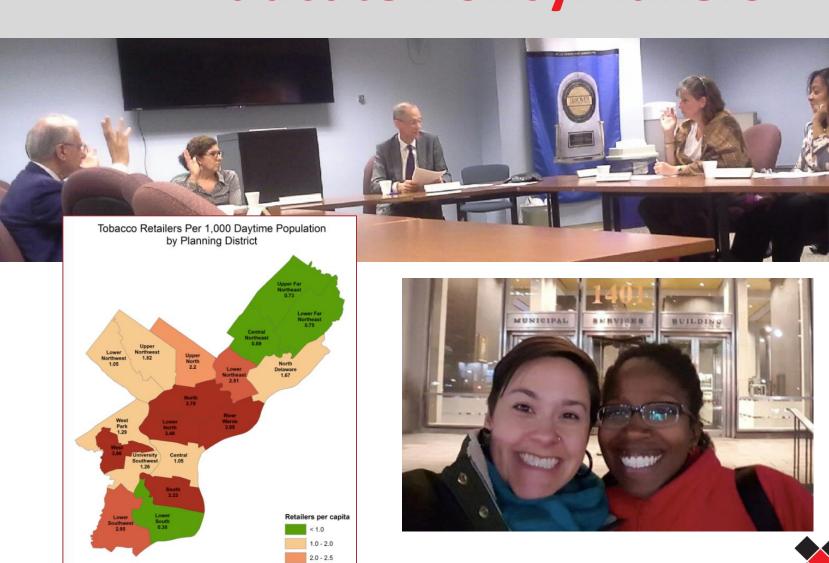
# **Identify Policy Change Priorities**







# **Educate Policymakers**



Created by Amory Hillengas at the PDPH on 12/13/16.

Direased by Aniorly milengas at the POPH on 12/13/16.

Sources Active tobacce establishments queried from the PTRD on 11/17/16, daytime population estimates calculated using the 2014 5-year ACS table 801003 and 2014 LEHD data via OnTheMap. Data were downloaded by tract and aggregated to Planning District.



## **Evaluate Change**



**COUNTER** 



# The Standardized Tobacco Assessment for Retail Settings (STARS)



# Standardized Tobacco Assessment for Retail Settings (STARS)

Standardized Tobacco Assessment for Retail Settings (STARS)  FIELD NOTES  This retail environment provides a great photo opportunity.	1. Date of visit:	e ddless ct an option below and STDP] enter enter
	Cigarettes - non-menthol     Cigarettes - menthol     Cigarities-fittle cigars     Large cigars     Chew, moist or dry snuff, dip or and     E-cigarettes	Yes
Drug storecpharmacy (e.g., Beer, whe, or liquor store (e.g., Grocery store (e.g., small ma Mass merchandsser (e.g., Video) Tobacco shop (e.g., Cigaretti Other (specify):	rket/dell/produce market) or supermarket (e.g., 5 Mart, Costco, 87s, Sam's Chib) or discount store (e.s. Cheaper, cigar shops, hookah bans, e-cigarette, digarettes, cigars, cigarillos/little cigars, chew, m	e.g., Dollar General, Family Dollar) shops, or other tobacco shops! (e.g., donut shop, balt & tackle)
Yes but not visible to customers   No ISTOP If focusing on tolo.   No ISTOP If focusing on tolo.   Goes the store have a pharmacy or   No   No   No   No   No   No   No	ners acco retailers)	

CIGARETTES								
12. Answer these questions about cigarette	ıs.							
a. Any cigarettes sold here?					Π, Υ	'es	□ No	
b. Menthol cigarettes sold here?					D, Y		□ No	
c. Any cigarettes (menthol or non-men slushy/soda machines, or ice cream?	Any cigarettes (menthol or non-menthol) within 12 inches of toys, candy, gum,				Β, 1	'es	□ <sub>0</sub> No	
d. Cigarette ad (menthol or non-menth	nol) within 3	feet of the I	loor?		□, ١	'es	□。No	
e. Any cigarette price promotions?					□, <b>\</b>	'es	□。No	
f. Any menthol cigarette price promoti	ons?				Π, 1	'es	□ <sub>。</sub> No	
OTHER PRODUCTS	13. Cigarilli cigars	os/little	14. Large o	igars:	15. Chew, n snuff, di	noist/dry p, or snus	16. E-cigar	ettes
a. Sold here?	☐, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No
b. Flavored products?	☐, Yes	□。No	□, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No	□, Yes	□。No
c. Singles sold here?	☐, Yes	□。No						
d. Advertised for less than \$1?	□, Yes	□ No						
e. Product within 12 inches of toys, candy, gum, slushy/soda machines, or ice cream?	□, Yes	□。No	□, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No
f. Product ad within 3 feet of floor?	☐, Yes	□ <sub>o</sub> No	☐, Yes	□ <sub>o</sub> No	, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No
g. Self-service display?	☐, Yes	□。No	☐, Yes	□ <sub>o</sub> No			□, Yes	□。No
h. Any price promotions?	□, Yes	□ <sub>o</sub> No			□, Yes	□ <sub>o</sub> No	□, Yes	□ <sub>o</sub> No
i. Cross-product promotion with cigarettes?					□, Yes	□ <sub>□</sub> No	□, Yes	□ <sub>o</sub> No
a. Use and/or SNAP (i.e., food stamps, EBT) a. Yes	No	ere?						
SNAP								
PRICES	18. Cheape	est cigarette pack	2 19. N	lewport m	enthol		disposable e-cigarette	
PRICES			e 19. M	Newport m				
PRICES  a. Sold here?	□, Yes		o ==,	(regular ha			e-cigarette	No
	□, Yes (if cigar	pack	here,	(regular ha	rd pack)		e-cigarette	No
a. Sold here?	□, Yes (if cigar	pack	here,	(regular ha	rd pack)	□, Ye	(menthol)	



#### **EXTERIOR**

6. Which products are advertised outside the store (on windows/doors, building, sidewalk or elsewhere)?

a. Cigarettes – non-menthol	☐ 1 Yes	$\square_{_0}$ No
b. Cigarettes – menthol	☐ 1 Yes	$\square_{_0}$ No
c. Cigarillos/little cigars	☐ 1 Yes	$\square_{_0}$ No
d. Large cigars	☐ 1 Yes	$\square_{\mathfrak{o}}$ No
e. Chew, moist or dry snuff, dip or snus	☐ , Yes	$\square_{_0}$ No
f. E-cigarettes	□, Yes	$\Box_{\mathfrak{o}}$ No



9. Does the store have a pharmacy counter?☐ 1 Yes ☐ No



#### **CIGARETTES**

12.	Answer	these	questions	about	cigarettes.
					_

a. Any cigarettes sold here?	□ ₁ Yes	□ <sub>0</sub> No
b. Menthol cigarettes sold here?	☐ 1 Yes	$\square_{o}$ No
c. Any cigarettes (menthol or non-menthol) within 12 inches of toys, candy, gum, slushy/soda machines, or ice cream?	☐ <sub>1</sub> Yes	□ <sub>0</sub> No
d. Cigarette ad (menthol or non-menthol) within 3 feet of the floor?	☐ 1 Yes	$\square_{_0}$ No
e. Any cigarette price promotions?	☐ 1 Yes	$\square_{\scriptscriptstyle 0}$ No
f. Any menthol cigarette price promotions?	☐, Yes	□ <sub>a</sub> No



17. WIC and/or SNAP (i.e., food stamps, EBT) accepted here?



 $\Box_1$  Yes

□<sub>0</sub> No

b.



 $\Box$ , Yes

□<sub>0</sub> No



## **STARS** Resources

### **Download at CounterTobacco.org:** bit.do/STARSresources

#### Download Materials:



- ☐ STARS surveillance tool (1 page, double-sided, 20 questions)
- ☐ Training PowerPoint (93 slides for self- or group-administered instruction)
- □ Pocket Guide (10-page instructional review for use in the field assembly required)
- ☐ Pocket Guide Assembly Instructions (brief instructions on how to assemble pocket guide)
- ☐ Excel Data Entry Template (used to enter survey data and compute outcomes)"]

#### STARS Success Stories:

Assessing Retail Environments with STARS: Standardized Tobacco Assessment for Retail Settings details experiences from the 2014 pilot of STARS in four states: Indiana, Oregon, Texas, and Vermont. This report from the Center for Public Health Systems Science (CPHSS), as part of the Advancing Science and Policy in the Retail Environment (ASPiRE) project funded by the National Cancer Institute (NCI) SCTC Research Initiative, provides examples for other state and local tobacco control coalitions considering integrating STARS into their efforts.

#### STARS Policy Crosswalk:

The STARS Policy Crosswalk is a table that pairs items from STARS with relevant POS policies and offers supplemental options from the six POS policy domains.





## Review



### **Why POS Matters:**

- Industry spending (\$1M/hour!)
- 2. Youth initiation
- Quit attempts more difficult
- Density & proximity

#### Store assessments are great for:

- 1. Collecting high quality local data
- 2. Engaging youth & community members
- 3. Identifying disparities
- 4. Documenting industry targeting
- Identifying policy change priorities
- 6. Educating policymakers
- 7. Evaluating change

#### **Resource:**

Standardized Tobacco Assessment for Retail Settings (STARS)





The retail environment shapes a community's health by providing and promoting—or discouraging—healthy options.





# Thank you!

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